

SNOHOMISH RIVER BASIN

12137300 SPADA LAKE NEAR STARTUP, WA

LOCATION.--Lat 47°58'28", long 121°41'10", in NW 1/4 sec.29, T.29 N., R.9 E., Snohomish County, Hydrologic Unit 17110009, on right bank at Culmback Dam on Sultan River, 1.7 mi downstream from South Fork, 7.8 mi north of Startup, and at mile 16.5.

DRAINAGE AREA.--68.3 mi².

PERIOD OF RECORD.--April 1965 to current year.

REVISED RECORDS.--WDR WA-79-1: 1975-76(M). WA-95-1: 1994.

GAGE.--Nonrecording gage. Datum of gage is NGVD of 1929 (levels by Snohomish County P.U.D. No. 1).

REMARKS.--Reservoir is formed by earthfill dam originally completed to elevation 1,408 ft in 1965. Storage began April 5, 1965 for water supply for the City of Everett. During 1983 the dam was raised to elevation 1,470 ft with storage beginning November 1983. Capacity was increased to 153,260 acre-feet at elevation 1,450 ft, crest of spillway. Normal operating pool is between elevations 1,420 ft and 1,450 ft. Figures given herein represent total contents. Spada Lake is used to provide water for the City of Everett, and since June 1, 1984, power generation for Snohomish County Public Utility District No. 1.

COOPERATION.--Elevation at 1200 and 2400 hours and capacity table furnished by Snohomish County Public Utility District No. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 164,599 acre-ft Nov. 23, 1990, elevation, 1,455.8 ft; minimum contents observed since reservoir was first filled, 4,250 acre-ft Sept. 30, 1967, elevation, 1,301.28 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 149,979 acre-ft Jun. 29-30 elevation, 1,448.2 ft; minimum contents observed, 87,500 acre-ft Mar. 25-26, elevation, 1,409.8 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	1,418.0	99,333	-27,871
Oct. 31.....	1,428.3	115,331	+15,998
Nov. 30.....	1,420.7	103,330	-12,001
Dec. 31.....	1,423.6	107,909	+4,579
CAL YR 2001.....			+19,566
Jan. 31.....	1,426.8	112,962	+5,053
Feb. 28.....	1,435.3	127,034	+14,072
Mar. 31.....	1,411.4	89,789	-37,245
Apr. 30.....	1,429.6	117,383	+27,594
May 31.....	1,446.3	146,515	+29,132
June 30.....	1,448.2	149,979	+3,464
July 31.....	1,439.4	134,010	-15,969
Aug. 31.....	1,428.0	114,857	-19,153
Sept. 30.....	1,415.8	96,152	-18,705
WTR YR 2002.....	--	--	-3,181